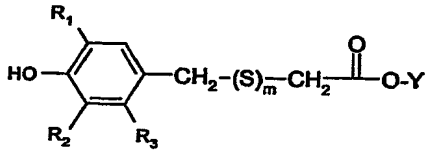
Claims

1. A product obtainable by reacting

a) At least one compound



(I),

wherein

one of R_1 and R_2 independently of one another represents hydrogen or a substituent selected from the group consisting of C_1-C_{18}alkyl, phenyl, (C_1-C_4alkyl)$_{1-3}$phenyl, phenyl-C_1-C_3alkyl, (C_1-C_4alkyl)$_{1-3}$phenyl-C_1-C_3alkyl, C_5-C_{12}cycloalkyl and (C_1-C_4alkyl)$_{1-3}$$C_5$-$C_{12}$cycloalkyl;

and the other one represents a substituent selected from the group consisting of C_1-C_{18}alkyl, phenyl, (C_1-C_4alkyl)$_{1-3}$phenyl, phenyl-C_1-C_3alkyl, (C_1-C_4alkyl)$_{1-3}$phenyl-C_1-C_3alkyl, C_5-C_{12}cycloalkyl and (C_1-C_4alkyl)$_{1-3}$$C_5$-$C_{12}$cycloalkyl;

R_3 represents hydrogen or methyl;

Y represents hydrogen or C_1-C_6alkyl; and

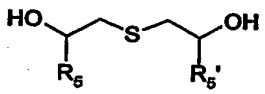
m represents zero or 1; with

b) At least one compound

R_4-OH (II),

wherein R_4 represents C_4-C_{25}alkyl; and

c) At least one compound



(III),

wherein R_5 and R_5' independently of one another represent hydrogen or C_1-C_6alkyl.

2. A product obtainable by reacting

a) At least one compound (I), wherein one of R_1 and R_2 represents methyl or tert-butyl and the other one of R_1 and R_2 represents tert-butyl; R_3 represents hydrogen; Y represents C_1-C_6alkyl; and m represents zero or one; and

b) At least one compound (II), wherein R_4 represents C_4-C_{18}alkyl; and

c) At least one compound (III), wherein R_5 and R_5' represent hydrogen.

3. A product obtainable by reacting

a) At least one compound (I), wherein one of R_1 and R_2 represents methyl or tert-butyl and the other one of R_1 and R_2 represents tert-butyl; R_3 represents hydrogen; Y represents methyl and m represents zero; and

b) At least one compound (II), wherein R_4 represents C_4-C_{18}alkyl; and

c) At least one compound (III), wherein R_5 and R_5' represent hydrogen.

4. A product obtainable by reacting

a) A mixture comprising a compound (I), wherein R_1 and R_2 represent tert-butyl; R_3 represents hydrogen; Y represents methyl and m represents zero; and

A compound (I), wherein one of R_1 and R_2 represents methyl and the other one tert-butyl; R_3 represents hydrogen; Y represents methyl and m represents zero; and

b) At least one compound (II), wherein R_4 represents C-C_{18}alkyl; and

c) At least one compound (III), wherein R_5 and R_5' represent hydrogen.

5. A composition comprising

A) A product according to claim 1; and

B) A functional fluid subject to oxidative, thermal or light induced degradation.

6. A composition comprising

A) A product according to claim 1; and

B) A base oil of lubricating viscosity.

7. A process for preparing a liquid mixture of phenolic sulphur-containing antioxidants, which comprises reacting

a) At least one compound (I), wherein R_1, R_2, R_3, Y and m are as defined in claim 1, with

b) At least one compound (II), wherein R_4 is as defined in claim 1; and

c) At least one compound (III), wherein R_5 and R_5' are as defined in claim 1.

8. A process for stabilising a composition of matter subject to oxidative, thermal or light induced degradation, which comprises adding to said composition of matter at least one product according to claim 1.